

# FIXED HEIGHT STAIRS FRS III®

8031

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**NIJL**®  
aircraftdocking

# FIXED HEIGHT STAIRS FRS III® 8031

## Key Benefits

- + Design according to NEN-EN-ISO-14122
- + Unique flexible railing system (FRS) for fast access to areas with limited space
- + Quick jacking device with single lever
- + Robust and stable design
- + Lightweight because of optimal mix of steel and aluminium
- + Easy to manoeuvre
- + Available in different heights
- + Modular design configurable to customer needs

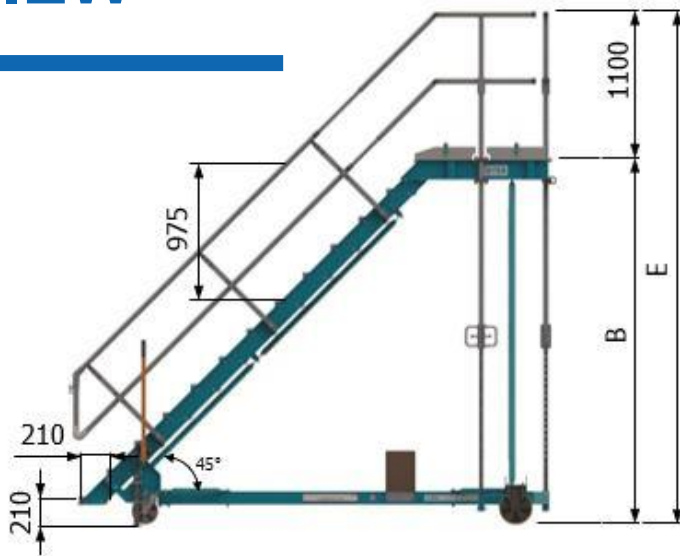
## Baseline specifications

- 1 Black non-staining rubber protection
- 2 Non-skid aluminium flooring
- 3 Aluminium handrail and guardrail
- 4 Non-skid aluminium steps
- 5 Quick jacking device with single lever
- 6 Labels and signage
- 7 Polyurethane castor wheels
- 8 Flexible railing system (FRS III®)

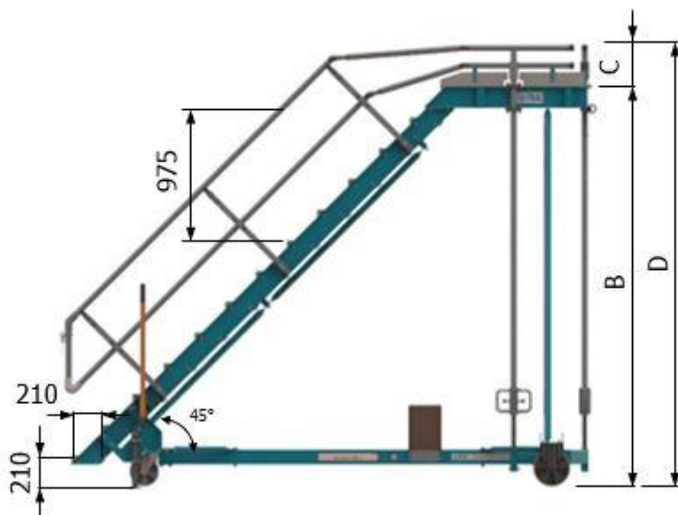




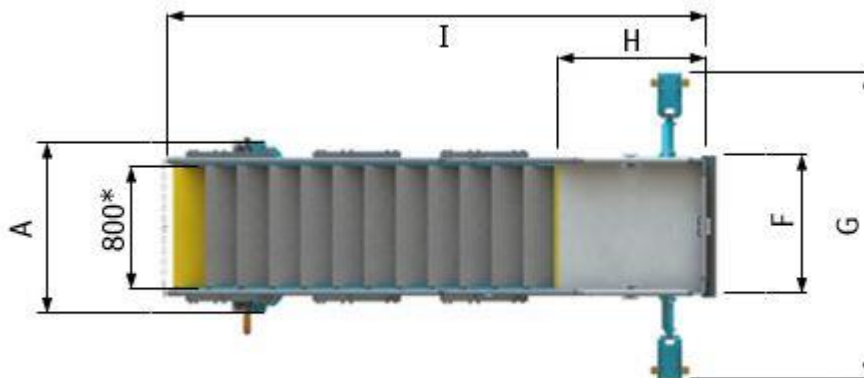
# VIEW



Side, railing position high



Side, railing position low



Top

*\*Dimensions subject to selected options*

# DIMENSIONS AND FOOTPRINT

<b>BASELINE STAIRS</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>Approx Weight kg</b>
<b>8031-FRS07T800</b>	1135	1470	220	1690	2570	1020	2020	1000	2260	300
<b>8031-FRS08T800</b>	1135	1680	220	1900	2780	1020	2020	1000	2470	300
<b>8031-FRS09T800</b>	1135	1890	220	2110	2990	1020	2020	1000	2680	325
<b>8031-FRS10T800</b>	1135	2100	220	2320	3200	1020	2020	1000	2890	350
<b>8031-FRS11T800</b>	1135	2310	220	2530	3410	1020	2020	1000	3100	350
<b>8031-FRS12T800</b>	1135	2520	220	2740	3620	1020	2020	1000	3310	375
<b>8031-FRS13T800</b>	1830	2730	220	2950	3830	1020	2820	1000	3520	375
<b>8031-FRS14T800</b>	1830	2940	220	3160	4040	1020	2820	1000	3730	450
<b>8031-FRS15T800</b>	1830	3150	220	3370	4250	1020	2820	1000	3940	450
<b>8031-FRS16T800</b>	1830	3360	220	3580	4460	1020	2820	1000	4150	475
<b>8031-FRS17T800</b>	1830	3570	220	3790	4670	1020	2820	1000	4360	500
<b>8031-FRS18T800</b>	1830	3780	220	4000	4880	1020	2820	1000	4570	525
<b>8031-FRS19T800</b>	1830	3990	220	4210	5090	1020	2820	1000	4780	525
<b>8031-FRS20T800 *</b>	1830	4200	220	4420	5300	1020	2820	1000	4990	550
<b>8031-FRS21T800 *</b>	1830	4410	220	4630	5510	1020	2820	1000	5200	550
<b>8031-FRS22T800 *</b>	1830	4620	220	4840	5720	1020	2820	1000	5410	575
<b>8031-FRS23T800 *</b>	1830	4830	220	5050	5930	1020	2820	1000	5620	600
<b>8031-FRS24T800 *</b>	1830	5040	220	5260	6140	1020	2820	1000	5830	625

*\*Deviation from applicable standard*

# SPECIFICATIONS

GENERAL	
In- outdoor usage	Indoor (hangar) and Outdoor (apron) usage
Movability	Movable by 1 - 2 person(s)
Signage	Labels and signage
Standards *	NEN-EN-ISO-14122 (2016)
Type NIJL	FRS III®
MATERIAL	
Corrosion protection	Paint system C3 RAL 5012 / RAL 5017 <i>Optional: other colours or hot dipped galvanized</i>
Main construction	Steel
Hand railing	Aluminium
Padding	Black non-staining rubber protection
Platform flooring	Aluminium, non-skid checker plate   <i>Optional: other flooring</i>
Steps	Aluminium, non-skid (first and last step: RAL 1023 yellow)
Wheels	Low Speed polyurethane wheels max. 5 km/h   <i>Optional: High Speed</i>
TECHNICAL	
Platform height (fixed)	See table
Handrail and guardrail height	Adjustable on the platform, railing according to standards
Inclination	45 degrees
Max. load	1 person per step and max. 250 kg on the entire stair/platform
Number of steps	See table
Platform dimensions (WxD)	See table   <i>Optional: Other dimensions</i>
Step width	800mm standard   <i>Optional: Other widths</i>
Weight	See table
<i>Stairs available in various configurations. Please consult NIJL for exact specifications and clarifications</i>	



Flexible Railing System in different positions



# OPTIONS GENERAL

## Step Width Variants

- + Step width variants: 600 or 1000 mm  
(standard: 800 mm)



## Platform Flooring

- + Aluminium perforated plate or marine plywood with anti-skid surface  
(standard: aluminium checker plate)



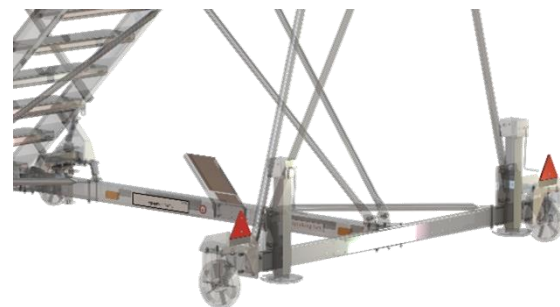
## Corrosion Protection

- + Paint system C3 colour on customer request  
or hot dipped galvanized steel frame  
(standard: RAL5012 / RAL5017)



## Safety Protection and Visibility Package

- + Additional non-staining rubber protection
- + Reflector and high visibility markings
- + Striking colour on hand railing and/or guard railing  
(standard: orange RAL2004 for movable parts)





# OPTIONS MOBILITY

## Low Speed Towbar Package

- + Galvanized steel
- + Yellow/black markings
- + Secured storage
- + Additional labels and signage
- + Max 5 km/h



## High Speed Wheel Set Package

- + Full rubber wheels
- + Integrated towbar
- + Storage position next to staircase
- + Additional labels and signage
- + Allowable speed 15 - 25 km/h  
(depending on stair configuration)



# OPTIONS WORK PLATFORM

## E&E Compartment and Avionics Bay Access Package

- + Design according to NEN-EN-ISO-14122
- + Designed to conform with local aircraft geometry and access to Electronic and Equipment (E&E) compartment and Avionics Bay
- + Height adjustable ladder to access compartment
- + Manual height adjustment by winch system with integrated pawl lock mechanism
- + Operated from ground level with visuals on compartment door
- + Large fixed height working platform with fully retractable ladder underneath platform floor
- + Fully enclosed platform by flexible railing system for fall protection
- + Additional height adjustable railing to enclose space while using the ladder



## Trimmable Horizontal Stabilizer Compartment Access Package

- + Design according to NEN-EN-ISO-14122
- + Designed to conform with local aircraft geometry and access to Trimmable Horizontal Stabilizer (THS) compartment
- + Height adjustable ladder to access compartment
- + Manual height adjustment by winch system with integrated pawl lock mechanism
- + Operated from ground level with visuals on compartment door
- + Large fixed height working platform with fully retractable ladder underneath platform floor
- + Fully enclosed platform by flexible railing system for fall protection
- + Additional height adjustable railing to enclose space while using the ladder
- + Platform dimensions: 2300 x 1500 mm
- Other platform dimensions upon request*



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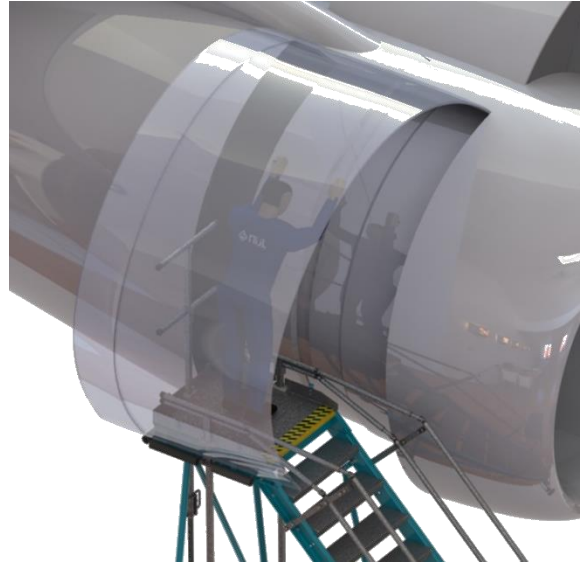


# OPTIONS ENGINE ACCESS

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## Engine Under Fan Cowling Access Package

- + Design according to NEN-EN-ISO-14122
- + Designed to conform with local engine geometry and access to under fan cowling area
- + Fixed height work platform
- + Flexible Railing System for railing adjustments to engine geometry and fall protection
- + Applicable to standard platform dimensions  
*Extended platform length upon request*



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